National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक:26th Sep 2021

To,

1. कार्यकारी निदेशक, पू.क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
   Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093
   Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 25.09.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-सितंबर-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 25th September 2021, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day **Date of Reporting:** **26-Sep-2021**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	52824	49478	42553	23575	3118	171548
Peak Shortage (MW)	200	30	0	792	0	1022
Energy Met (MU)	1092	1125	1009	505	61	3792
Hydro Gen (MU)	300	54	161	130	20	665
Wind Gen (MU)	2	39	105	-	-	146
Solar Gen (MU)*	56.20	31.75	97.06	4.80	0.33	190
Energy Shortage (MU)	3.58	0.00	0.00	7.43	0.00	11.01
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53628	49899	47578	23795	3162	171618
Time Of Maximum Demand Met (From NLDC SCADA)	19:24	18:59	12:31	20:14	19:17	19:17

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.025	0.00	0.00	0.39	0.39	72.53	27.08

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	8130	0	173.7	127.7	-0.6	151	0.00
	Haryana	7339	0	149.0	102.9	0.4	198	0.00
	Rajasthan	9131	0	201.0	53.1	-0.4	387	0.00
	Delhi	4376	0	94.5	84.4	-1.2	138	0.00
	UP	18727	0	349.5	110.7	0.0	329	0.13
	Uttarakhand	1950	0	41.4	11.9	0.4	168	0.00
	HP	1474	0	31.3	-1.1	-0.3	89	0.00
	J&K(UT) & Ladakh(UT)	2517	250	47.2	25.3	2.3	560	3.45
	Chandigarh	247	0	4.8	4.9	-0.1	49	0.00
WR	Chhattisgarh	3851	0	90.9	52.5	1.5	258	0.00
	Gujarat	14752	0	323.2	191.6	-1.3	402	0.00
	MP	9531	0	207.7	118.6	-0.2	575	0.00
	Maharashtra	20061	0	445.0	163.7	-1.5	631	0.00
	Goa	597	0	12.4	11.6	0.2	85	0.00
	DD	328	0	7.5	7.1	0.4	98	0.00
	DNH	855	0	19.8	19.8	0.0	39	0.00
	AMNSIL	786	0	18.0	4.9	-0.7	246	0.00
SR	Andhra Pradesh	9477	0	194.7	82.8	0.8	711	0.00
	Telangana	9885	0	201.9	51.0	0.3	632	0.00
	Karnataka	10846	0	206.7	41.4	0.9	745	0.00
	Kerala	3776	0	77.7	47.8	0.2	199	0.00
	Tamil Nadu	14894	0	319.1	145.4	0.8	782	0.00
	Puducherry	430	0	9.1	9.2	-0.2	24	0.00
ER	Bihar	6171	0	119.7	112.9	1.0	467	5.96
	DVC	3291	0	70.0	-38.4	-1.9	339	0.00
	Jharkhand	1589	0	30.3	23.0	-1.0	238	1.47
	Odisha	5332	0	111.0	33.2	0.2	342	0.00
	West Bengal	8651	0	172.8	57.8	2.0	690	0.00
	Sikkim	100	0	1.5	1.5	0.1	28	0.00
NER	Arunachal Pradesh	132	0	2.2	2.2	-0.2	55	0.00
	Assam	2100	0	41.6	32.5	1.1	133	0.00
	Manipur	204	0	2.7	2.6	0.1	38	0.00
	Meghalaya	290	0	5.5	2.4	0.1	30	0.00
	Mizoram	95	0	1.5	0.8	0.2	35	0.00
	Nagaland	135	0	2.4	2.1	-0.2	30	0.00
	Tripura	265	0	4.9	6.5	0.0	57	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	38.1	2.3	-20.5
Day Peak (MW)	1745.0	239.0	-871.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	120.4	-31.0	5.5	-99.8	4.9	0.0
Actual(MU)	99.0	-17.5	10.1	-97.6	5.0	-0.9
O/D/U/D(MU)	-21.4	13.5	4.6	2.2	0.1	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3538	19848	7072	2975	559	33991	45
State Sector	9055	20484	8708	3465	11	41723	55
Total	12593	40331	15780	6440	570	75713	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	549	965	516	493	10	2534	66
Lignite	25	11	29	0	0	65	2
Hydro	300	54	161	130	20	665	17
Nuclear	31	32	54	0	0	118	3
Gas, Naptha & Diesel	31	24	14	0	31	100	3
RES (Wind, Solar, Biomass & Others)	75	71	236	5	0	387	10
Total	1011	1158	1010	627	61	3868	100

Share of RES in total generation (%)	7.37	6.17	23.33	0.77	0.54	10.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.11	13.61	44.65	21.45	32.90	30.22

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.062

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

***Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.**

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 26-Sep-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	1102	0.0	26.6	-26.6
2	HVDC	PUSAULI B/B	-	0	245	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	402	47	4.3	0.0	4.3
4	765 kV	SASARAM-FATEHPUR	1	190	19	2.5	0.0	2.5
5	765 kV	GAYA-BALIA	1	0	394	0.0	5.0	-5.0
6	400 kV	PUSAULI-VARANASI	1	0	240	0.0	4.9	-4.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	69	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	12	404	0.0	4.6	-4.6
9	400 kV	PATNA-BALIA	4	0	536	0.0	6.2	-6.2
10	400 kV	BIHARSHARIFF-BALIA	2	186	0	1.7	0.0	1.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	304	0.0	3.7	-3.7
12	400 kV	BIHARSHARIFF-VARANASI	2	197	0	2.6	0.0	2.6
13	220 kV	PUSAULI-SAHUPURI	1	67	112	0.0	0.5	-0.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	11.5	58.5	-47.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	333	986	0.0	4.8	-4.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1107	197	14.0	0.0	14.0
3	765 kV	JHARSUGUDA-DURG	2	54	240	0.0	2.2	-2.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	465	0.0	7.2	-7.2
5	400 kV	RANCHI-SIPAT	2	211	120	1.6	0.0	1.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	119	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	70	18	0.5	0.0	0.5
					ER-WR	16.0	16.2	-0.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	452	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1012	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2148	0.0	32.6	-32.6
4	400 kV	TALCHER-I/C	2	412	0	8.2	0.0	8.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	66.7	-66.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	329	0.0	8.7	-8.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	512	0.0	8.9	-8.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	134	0.0	2.6	-2.6
					ER-NER	0.0	20.1	-20.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	16.9	-16.9
					NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	696	0.0	16.9	-16.9
2	HVDC	VINDHYACHAL B/B	-	451	107	5.7	0.0	5.7
3	HVDC	MUNDRA-MOHINDERGARH	2	0	495	0.0	11.4	-11.4
4	765 kV	GWALIOR-AGRA	2	424	1178	0.7	15.3	-14.6
5	765 kV	GWALIOR-PHAGI	2	0	1458	0.0	25.8	-25.8
6	765 kV	JABALPUR-ORAI	2	29	564	0.0	14.3	-14.3
7	765 kV	GWALIOR-ORAI	1	821	0	16.2	0.0	16.2
8	765 kV	SATNA-ORAI	1	0	697	0.0	14.9	-14.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1789	0	33.0	0.0	33.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2832	0.0	45.7	-45.7
11	400 kV	ZERDA-KANKROLI	1	442	0	7.6	0.0	7.6
12	400 kV	ZERDA -BHINMAL	1	673	0	11.5	0.0	11.5
13	400 kV	VINDHYACHAL -RIHAND	1	949	0	21.4	0.0	21.4
14	400 kV	RAPP-SHUJALPUR	2	238	217	1.6	1.4	0.1
15	220 kV	BHANPURA-RANPUR	1	64	34	0.4	0.1	0.3
16	220 kV	BHANPURA-MORAK	1	0	30	1.4	0.0	1.4
17	220 kV	MEHGAON-AURAIYA	1	154	0	1.7	0.0	1.7
18	220 kV	MALANPUR-AURAIYA	1	115	0	2.5	0.0	2.5
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	103.6	145.8	-42.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	569	0.0	13.5	-13.5
2	HVDC	RAIGARH-PUGALUR	2	569	500	0.0	0.4	-0.4
3	765 kV	SOLAPUR-RAICHUR	2	1703	388	17.3	0.0	17.3
4	765 kV	WARDHA-NIZAMABAD	2	579	1353	0.9	8.7	-7.8
5	400 kV	KOLHAPUR-KUDGI	2	1408	0	27.1	0.0	27.1
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	1	76	1.0	0.0	1.0
					WR-SR	46.2	22.5	23.7

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	631	0	560	13.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	751	0	709	17.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	273	0	239	5.7
	NER	132kV GELEPHU-SALAKATI	29	24	27	0.7
	NER	132kV MOTANGA-RANGIA	61	39	51	1.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-10	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	147	56	57	1.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	102	0	38	0.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-733	0	-725	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-138	0	-130	-3.1